

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of claims:

1-10. (Canceled)

11. (Currently Amended) A method for identifying compounds with anti-anxiety activity comprising:

(a) administering a test compound to ~~an animal~~ a mouse that has comprising at least one native non-functional allele of the p53 gene, wherein the mouse exhibits increased anxiety, and

(b) determining whether said test compound decreases anxiety in said ~~animal~~ mouse, in which test compounds that decrease anxiety in said ~~animal~~ mouse are identified as compounds with anti-anxiety activity.

12. (Cancelled)

13. (Currently Amended) The method of claim 11, wherein the mouse has two native non-functional alleles of the p53 gene ~~are not functional~~.

14. (Currently Amended) A method for identifying compounds with long-term memory restoring activity, comprising:

(a) administering a test compound to a mouse that is heterozygous for the p53 gene in that the mouse has one native ~~heterozygous animal comprising a non-functional allele of the p53 gene~~, wherein the ~~animal~~ mouse exhibits a deficiency in long-term memory storage, and

(b) determining whether said test compound ~~restores long-term memory in said animal, wherein test compounds that improve~~ improves the deficiency in long-term memory storage in said mouse ~~are identified as compounds with long-term memory restoring activity~~.

15. (Cancelled)

16. (Cancelled)

17. (Currently Amended) The method of claim 11, wherein determining whether said test compound decreases anxiety in said ~~animal~~ mouse comprises subjecting said ~~animal~~ mouse to an Open-Field test.

18. (Currently Amended) The method of claim 11, wherein determining whether said test compound decreases anxiety in said ~~animal~~ mouse comprises determining whether said test compound decreases thigmotaxia.

19. (Currently Amended) The method of claim 14, wherein determining whether said test compound ~~restores~~ improves the deficiency in long-term memory storage in said ~~animal~~ mouse comprises subjecting the ~~animal~~ mouse to a Morris swimming pool test.

20. (Currently Amended) The method of claim 14, wherein determining whether said test compound ~~restores~~ improves the deficiency in long-term memory storage in said ~~animal~~ mouse comprises calculating a spatial bias index.

21. (Cancelled)